

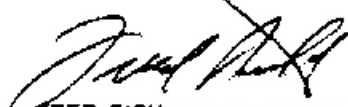
7. A thin bead of epoxy glue was placed on the outer wall of the aluminum base piece, as marked on the drawing, and bonded to the inner wall of the outer "windscreen" or black plastic casing.
8. The two metal pieces were then placed in a fixture and with one section (the outer body) being held in a non marking fixture, spun together with the aid of a tool which fitted in the two small holes that appear in the base of the cartridge. We refer to this tool as a spanner wrench.
9. Once the projectile is assembled, it is placed in a primed cartridge case, which has been charged with propellant, and the two are screwed together. This process joins the projectile to the high-pressure chamber.
10. When the primer is struck by the firing pin, igniting the propellant (Nitrocellulose Powder) and the pressure in the high pressure chamber bleeds over into the low-pressure chamber. When the internal pressure reaches a predetermined level, the projectile and the upper portion of the high pressure chamber shears off on a pre weakened line, and goes down range attached to the projectile.
11. The firing process initiates the delay charge. Approximately 1.3 seconds later the black powder charge initiates into the report charge and builds sufficient pressure to cause the cardboard disc and the shear off point to break away from the projectile and a brilliant flash and high report are released in the surrounding area.
12. The duration of the flash is approximately 2.5 milliseconds. This short duration is not likely to support a fire under normal circumstances as outlined in previous reports.

While it may seem we are a bit disorganized, please keep in mind these articles I have examined thus far were early production and design. They were most likely hand built. As we developed a customer requirement and learned of shortcomings of the design, it was changed, to what is our most current design, and brought into full production. I have been assured less than 1,000 rounds of this design were ever produced, and thus far are only aware of one shipment to the United States. Records are still being researched to determine how many and to whom they were shipped.

If identifying the actual customer becomes an issue, there are other avenues that can be explored to make positive identification of the recipient.

Best regards,

NICO PYROTECHNIK
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One additional page follows-technical drawing